SHURE

M95 SERIES

STEREO-DYNETIC®
PICKUP CARTRIDGES
MADE IN U.S.A.

SERIAL NUMBER	P 3842

M95 SERIES

STEREO-DYNETIC®PICKUP CARTRIDGES

SPECIFICATION

Frequency Response:	20 to 20,000 Hz.
Channel Balance:	Within 2dB
Inductance:	650 mH
D.C. Resistance:	1,550 ohms
Net Weight:	6 grams
Mounting Centres:	Standard ½ in. (12.7mm)

Connections:	4-terminal
Optimum Load: (Per Channel)	47,000 ohms resistance in parallel with 400-500 picofarads total capacitance *

*These conditions are provided by typical arm/amplifier combination using a "magnetic cartridge" input and no special compensation is normally necessary. (Load resistance as high as 100,000 ohms and total capacitance as low as 100 picofarads will have little audible effect.) Total capacitance includes the capacitances of the arm wiring and connecting cables and the amplifier input circuit.

	M95ED	M95EJ	M95G
Output Voltage (1)	4.7mV	**4.7mV**	4.7mV
Channel Separation (2)	25dB	20dB	25dB
Tracking Force (grams) (3)	¾-1½	1½-3	¾-1½
Stylus Grip Colour:	Yellow	Light Green	Grey
Trackability (cm/sec)	(1 gram)	(2 grams)	(1 gram)
400 Hz	24	28	19
1,000 Hz	33	35	29
5,000 Hz	28	30	25
10,000 Hz	19	20	18

Replacement Stylus:

	N95ED	N95EJ	N95G
(N95ED)	Elliptical diamond tip 5μm (.0002in) Side Contact radii. 18μm (.0007in) Frontal radius. 25μm (.0010in) between record contact points.		
(N95EJ)		Elliptical diamond tip 10μm (.0004in) Side Contact radii. 18μm (.0007in) Frontal radius. 25μm (.0010in) between record contact points	
(N95G)			Spherical diamond tip 15μm (.0006in) radius.

(1) mV per channel 1,000Hz, 5cm/sec. peak recorded velocity.
(2) dB minimum at 1,000Hz.
(3) Tracking forces greater than the specified maximum should not be used.

To play 78 rpm records with Model M95ED, M95EJ or M95G, use Stylus Model N95-3.

SPECIFICATION

Radius:	Spherical diamond tip 63μm (.0025in)
Output Voltage (1,000 Hz, 5cm/ sec. peak record-ded velocity)	5.5mV
Frequency Response:	20 to 20,000 Hz.
Tracking Force**	1½ to 3 grams
Stylus Grip Colour:	Dark Green

**Tracking forces greater than the specified maximum should not be used.

LOW TRACKING FORCE WITH HIGH TRACKABILITY

The lower the tracking force, the longer the life of the stylus and records, provided the stylus can follow the groove without losing contact. A cartridge tracking properly provides an accurate unbroken flow of signals from the record groove to the amplifier. Signals recorded at a higher level (cm/sec.) are more difficult to track properly. These Stereo Dynetic Cartridges provide Hi-Trackability at low tracking forces.

GUAR

This Shure Stereo-Dynetic
free from electrical and mechan
from date of purchase provid
fully. The Guarantee does not
damage to the stylus assembly a

In the event of a defect o
carefully packed and returne
Eccleston Road, Maidstone MI
shown on the cover of this bo
of purchase.

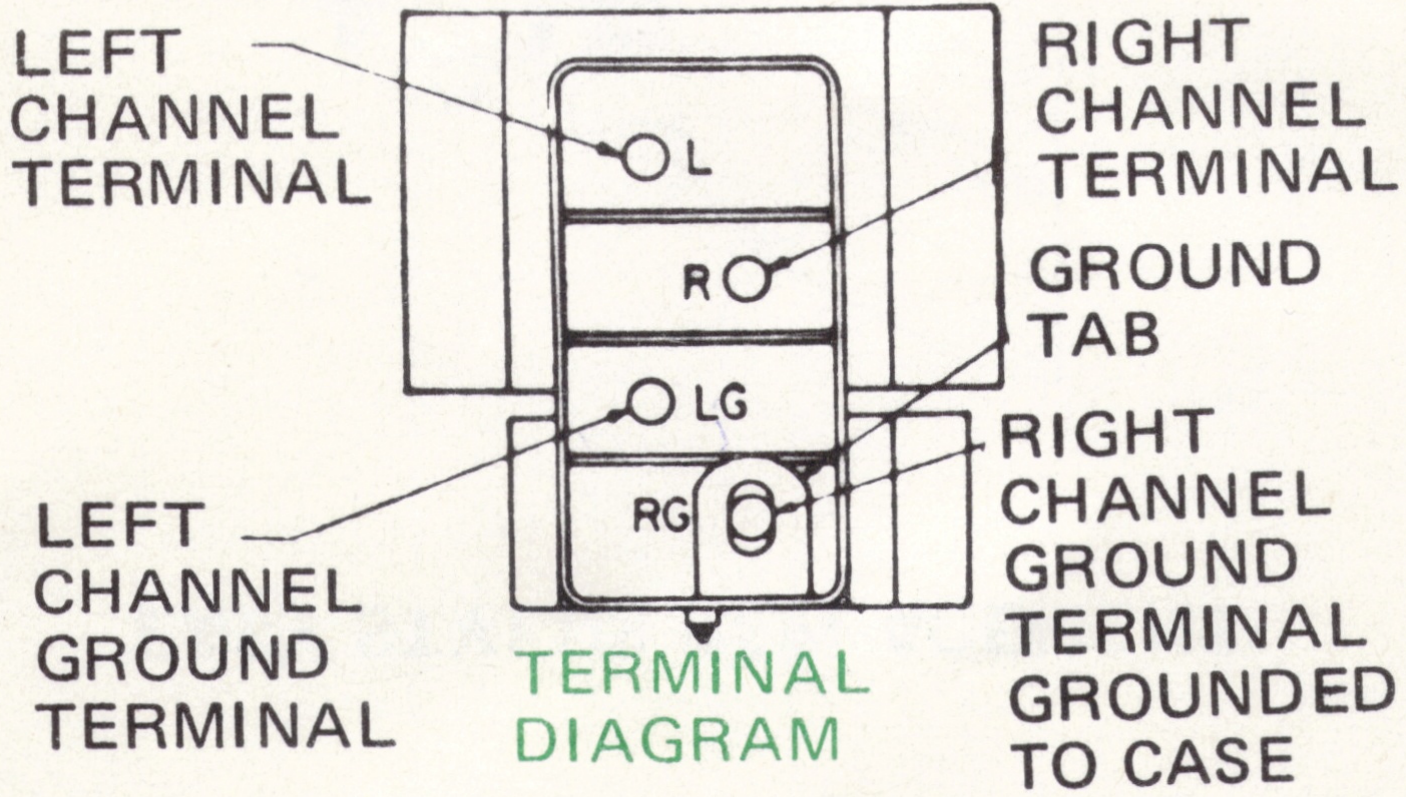
ANTEE

® product is guaranteed to be
ical defects for a period of one year
l all instructions are complied with
cover stylus wear nor does it cover
rising from abuse or mishandling.
curring, the component should be
d to Shure Electronics Limited,
15 6AU quoting the serial number
klet and stating the date and place

4-LEAD STEREO CONNECTION: Connect "hot" lead of right channel to terminal "R" (usually red) and shield or ground lead of right channel to terminal "RG" (usually green). Connect "hot" lead of left channel to terminal "L" (usually white) and shield or ground lead of left channel to "LG" (usually blue). To prevent "ground loops" and hum, no common connection should be used at cartridge terminals.

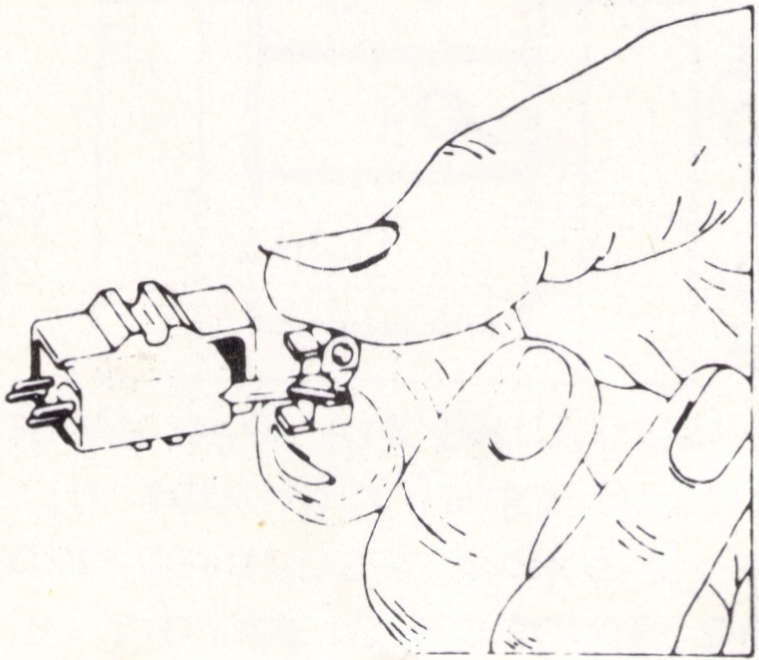
MONOPHONIC OPERATION: The left and right channels should be connected in parallel. This is accomplished most conveniently by setting the function switch on the associated amplifier to "Mono" or "A+B".

CAUTION: Do not make solder connections to cartridge terminals. Make all solder connections to terminal jacks provided before slipping them over the terminals.



TERMINAL DIAGRAM

EASY STYLUS REPLACEMENT



TO REPLACE THE STYLUS: Grasp moulded housing of stylus between thumb and forefinger. Gently withdraw stylus by pulling forward out of cartridge. Grasp replacement stylus between thumb and forefinger and insert into stylus socket. Press stylus into socket until the moulded housing of the stylus mates with the cartridge case. Care must be taken not to allow the finger to slip off the moulded housing of the stylus which could result in damage to the stylus tip or shank.

RECOMMENDATIONS FOR STYLUS CLEANING: Use a camel's hair brush (size No. 2 or smaller) with the bristles trimmed to about ¼" long, dip in a solution of alcohol and distilled water* and brush the stylus tip from the rear (terminal end) of the cartridge to the front. Do not brush or wipe from front to rear or from side to side. Use the liquid sparingly. Frequent cleaning will not normally be found necessary. Damage or corrosion may be caused by some commercial cleaning fluids.

*Isopropyl alcohol is generally available in the U.K. and is quite satisfactory for the purpose. A solution of one part alcohol to three parts distilled water is recommended.

SPECIAL NOTE: The Dynetic Stylus Assembly used in these cartridges is the most critical component. To maintain the original performance standard of your cartridge, be certain that any replacement stylus you buy bears the following certification on the package: 'This Stereo Dynetic Stylus is precision manufactured by Shure Brothers Inc., Illinois, U.S.A.'

Cartridge and Stylus manufactured under one or more of the following U.S. Patents: 3,055,988; 3,077,521; 3,077,522; 3,463,889; and U.K. Patent 943,873.

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